



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number:

09/451,739

Art Unit / Team No. :

BART 1643 3-24

Date Processed by STIC:

4/13/2000

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,

2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/451,739

BATCH (1643)
(3-24)

DATE: 04/13/2000
TIME: 13:46:18

Input Set: I451739.RAW

This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.

1 <110> Jager, Dirk
2 Scanlan, Matthew
3 Gure, Ali
4 Jager, Elke
5 Knuth, Alexander
6 Old, Lloyd
7 Chen, Yao-tseng
8 <120> Isolated Nucleic Acid Molecules Encoding Cancer Associated Antigens,
9 the Antigens per se, and Uses Thereof
10 <130> LUD 5615
11 <140> US/09/451,739
12 <141> 1999-11-30
13 <160> 19

Does Not Comply
Corrected Diskette Needed

ERORED SEQUENCES FOLLOW

14 <210> 16
15 <211> 528 (5/2 stamp p.2)
16 <212> PRT
17 <213> Homo sapiens
18 <220>
19 <400> 16
20 Met Lys Val Ser Ile Pro Thr Lys Ala Leu Glu Leu Met Asp Met Gln
21 1 .5 10 15
22 Thr Phe Lys Ala Glu Pro Pro Glu Lys Pro Ser Ala Phe Glu Pro Ala
23 20 25 30
24 Ile Glu Met Gln Lys Ser Val Pro Asn Lys Ala Leu Glu Leu Lys Asn
25 35 40 45
26 Glu Gln Thr Leu Arg Ala Asp Glu Ile Leu Pro Ser Glu Ser Lys Gln
27 50 55 60
28 Lys Asp Tyr Glu Glu Ser Ser Trp Asp Ser Glu Ser Leu Cys Glu Thr
29 65 70 75 80
30 Val Ser Gln Lys Asp Val Cys Leu Pro Lys Ala Thr His Gln Lys Glu
31 85 90 95
32 Ile Asp Lys Ile Asn Gly Lys Leu Glu Ser Pro Asp Asn Asp Gly
33 100 105 110
34 Phe Leu Lys Ala Pro Cys Arg Met Lys Val Ser Ile Pro Thr Lys Ala
35 115 120 125
36 Leu Glu Leu Met Asp Met Gln Thr Phe Lys Ala Glu Pro Pro Glu Lys
37 130 135 140
38 Pro Ser Ala Phe Glu Pro Ala Ile Glu Met Gln Lys Ser Val Pro Asn
39 145 150 155 160

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/451,739DATE: 04/13/2000
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40 Lys Ala Leu Glu Leu Lys Asn Glu Gln Thr Leu Arg Ala Asp Gln Met
 41 165 170 175
 42 Phe Pro Ser Glu Ser Lys Gln Lys Lys Val Glu Glu Asn Ser Trp Asp
 43 180 185 190
 44 Ser Glu Ser Leu Arg Glu Thr Val Ser Gln Lys Asp Val Cys Val Pro
 45 195 200 205
 46 Lys Ala Thr His Gln Lys Glu Met Asp Lys Ile Ser Gly Lys Leu Glu
 47 210 215 220
 48 Asp Ser Thr Ser Leu Ser Lys Ile Leu Asp Thr Val His Ser Cys Glu
 49 225 230 235 240
 50 Arg Ala Arg Glu Leu Gln Lys Asp His Cys Glu Gln Arg Thr Gly Lys
 51 260 245 265 250 270 255
 52 Met Glu Gln Met Lys Lys Lys Phe Cys Val Leu Lys Lys Lys Leu Ser
 53 275 260 280 265 285 270
 54 Glu Ala Lys Glu Ile Lys Ser Gln Leu Glu Asn Gln Lys Val Lys Trp
 55 290 295 300
 56 Glu Gln Glu Leu Cys Ser Val Arg Leu Thr Leu Asn Gln Glu Glu Glu
 57 305 310 315 320
 58 Lys Arg Arg Asn Ala Asp Ile Leu Asn Glu Lys Ile Arg Glu Glu Leu
 59 325 330 335
 60 Gly Arg Ile Glu Glu Gln His Arg Lys Glu Leu Glu Val Lys Gln Gln
 61 340 345 350
 62 Leu Glu Gln Ala Leu Arg Ile Gln Asp Ile Glu Leu Lys Ser Val Glu
 63 355 360 365
 64 Ser Asn Leu Asn Gln Val Ser His Thr His Glu Asn Glu Asn Tyr Leu
 65 370 375 380
 66 Leu His Glu Asn Cys Met Leu Lys Lys Glu Ile Ala Met Leu Lys Leu
 67 385 390 395 400
 68 Glu Ile Ala Thr Leu Lys His Gln Tyr Gln Glu Lys Glu Asn Lys Tyr
 69 405 410 415
 70 Phe Glu Asp Ile Lys Ile Leu Lys Glu Lys Asn Ala Glu Leu Gln Met
 71 420 425 430
 72 Thr Leu Lys Leu Lys Glu Glu Ser Leu Thr Lys Arg Ala Ser Gln Tyr
 73 435 440 445
 74 Ser Gly Gln Leu Lys Val Leu Ile Ala Glu Asn Thr Met Leu Thr Ser
 75 450 455 460
 76 Lys Leu Lys Glu Lys Gln Asp Lys Glu Ile Leu Glu Ala Glu Ile Glu
 77 465 470 475 480
 78 Ser His His Pro Arg Leu Ala Ser Ala Val Gln Asp His Asp Gln Ile
 79 485 490 495
 80 Val Thr Ser Arg Lys Ser Gln Glu Pro Ala Phe His Ile Ala Gly Asp
 81 500 505 510
 82 Ala Cys Leu Gln Arg Lys Met Asn Val Asp Val Ser Ser Thr Asp Ile
 83 515 520 525

numbering
off
starting
here



(please
align
amino acid
numbers
under
their
respective
amino
acids)

E-->

84 <210> 19
 85 <211> 310 294(next page)
 86 <212> PRT
 87 <213> Homo sapiens
 88 <220>

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/451,739

DATE: 04/13/2000
TIME: 13:46:18

Input Set: I451739.RAW

89 <400> 19
90 Met Pro Leu Cys Thr Ala Thr Arg Ile Pro Arg Tyr Ser Ser Ser Ser
91 1 5 10 15
92 Asp Pro Gly Pro Val Ala Arg Gly Arg Gly Cys Ser Ser Asp Arg Leu
93 20 25 30
94 Pro Arg Pro Ala Gly Pro Ala Arg Arg Gln Phe Gln Ala Ala Ser Leu
95 35 40 45
96 Leu Thr Arg Gly Trp Gly Arg Ala Trp Pro Trp Lys Gln Ile Leu Lys
97 50 55 60
98 Glu Leu Asp Glu Cys Tyr Glu Arg Phe Ser Arg Glu Thr Asp Gly Ala
99 65 70 75 80
100 Gln Lys Arg Arg Met Leu His Cys Val Gln Arg Ala Leu Ile Arg Ser
101 85 90 95
102 Gln Glu Leu Gly Asp Glu Lys Ile Gln Ile Val Ser Gln Met Val Glu
103 100 105 110
104 Leu Val Glu Asn Arg Thr Arg Gln Val Asp Ser His Val Glu Leu Phe
105 115 120 125
106 Glu Ala Gln Gln Glu Leu Gly Asp Thr Val Gly Asn Ser Gly Lys Val
107 130 135 140
108 Gly Ala Asp Arg Pro Asn Gly Asp Ala Val Ala Gln Ser Asp Lys Pro
109 145 150 155 160
110 Asn Ser Lys Arg Ser Arg Arg Gln Arg Asn Asn Glu Asn Arg Glu Asn
111 165 170 175
112 Ala Ser Ser Asn His Asp His Asp Asp Gly Ala Ser Gly Thr Pro Lys
113 180 185 190
114 Glu Lys Lys Ala Lys Thr Ser Lys Lys Lys Arg Ser Lys Ala Lys
115 195 200 205
116 Ala Glu Arg Glu Ala Ser Pro Ala Asp Leu Pro Ile Asp Pro Asn Glu
117 210 215 220
118 Pro Thr Tyr Cys Leu Cys Asn Gln Val Ser Tyr Gly Glu Met Ile Gly
119 225 230 235 240
120 Cys Asp Asn Asp Glu Cys Pro Ile Glu Trp Phe His Phe Ser Cys Val
121 ~~260~~ 245 ~~265~~ 250 ~~270~~ 255
122 Gly Leu Asn His Lys Pro Lys Gly Lys Trp Tyr Cys Pro Lys Cys Arg
123 275 260 280 265 285 270
124 Gly Glu Asn Glu Lys Thr Met Asp Lys Ala Leu Glu Lys Ser Lys Lys
125 290 275 295 280 300 285
126 Glu Arg Ala Tyr Asn Arg
127 ~~305~~ 290 ~~310~~

numbering
dk →

FBI

Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220> to
<223> fields of each sequence which presents at least one n or Xaa.

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VERIFICATION SUMMARY
PATENT APPLICATION US/09/451,739

DATE: 04/13/2000
TIME: 13:46:18

Input Set: I451739.RAW

Line	? Error/Warning	Original Text
15	E Input 528, Calc Seq.Length 512 differ	<211> 528
85	E Input 310, Calc Seq.Length 294 differ	<211> 310